### PATENT COOPERATION TREATY

	THE PROPERTY OF THE PROPERTY O
	Fr m the INTERNATIONAL BUREAU
PCT	To:
NOTIFICATION OF ELECTION	United States Patent and Trademark Office
(PCT Rule 61.2)	(Box PCT) Crystal Plaza 2
et persons	Washington, DC 20231 ETATS-UNIS D'AMERIQUE
Date of mailing (day/month/year) 11 December 1996 (11.12.96)	in its capacity as elected Office
International application No. PCT/US96/05465	Applicant's or agent's file reference FP41 90211
International filing date (day/month/year) 18 April 1996 (18.04.96)	Priority date (day/month/year) 25 April 1995 (25.04.95)
Applicant  EVANS, Ronald, M. et al	
The designated Office is hereby notified of its election mad	to:
X in the demand filed with the International Preliminar	
() (화사 <mark>····································</mark>	1996 (25.11.96)
in a notice effecting later election filed with the Inter	national Bureau on:
2. The election X was was not	During wishing the time limit under
made before the expiration of 19 months from the priority Rule 32.2(b).	date or, where Rule 32 applies, within the time limit under
The International Bureau of WIPO	Authorized officer
34, chemin des Colombettes 1211 Geneva 20, Switzerland	Catherine Massetti
Facsimile No : (41-22) 740.14.35	Telephone No.: (41-22) 730.91.11

### PATENT COOPERATION TREAT

**PCT** 

COMMUNICATION OF INTERNATIONAL APPLICATIONS

(PCT Article 20)

Date of mailing:

30 January 1997 (30.01.97)

From the INTERNATIONAL BUREAU

To

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in its capacity as designated Office

The International Bureau transmits herewith copies of the international applications having the following international application numbers and international publication numbers:

International application no.:

PCT/US96/05465

International publication no.:

WO96/33724

ORRECTED ORRIGHE.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer:

J. Zahra

Telephone No.: (41-22) 730.91.11



### WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



# INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) Internati nal Patent Classificati n <sup>6</sup>:

A61K 31/557

A2

(11) International Publication Number: WO 96/33724

(43) International Publication Date: 31 October 1996 (31.10.96)

(21) International Application Number:

PCT/US96/05465

PCT/US96/05465

(74) Agent: REITER, Stephen, E.; Pretty, Schroeder, Brueggemann & Clark, Suite 2000, 444 South Flower Street, Los Angeles,

(22) International Filing Date: 18 April 1996 (18.04.96) CA 90071 (US).

5 June 1995 (05.06.95)

(30) Priority Data:

08/428,559
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25 April 1995 (25.04.95)
US
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25 April 1995 (25.04.95)
US
08/465,375
(81) Designated States: AU, CA, JP, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

(60) Parent Applications or Grants Published

(63) Related by Continuation
US
08/428,559 (CIP)
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US
08/465,375 (CIP)
US
08/465,375 (CIP)

(71) Applicant (for all designated States except US): THE SALK INSTITUTE FOR BIOLOGICAL STUDIES [US/US]; 10010 North Torrey Pines Road, La Jolla, CA 92037 (US).

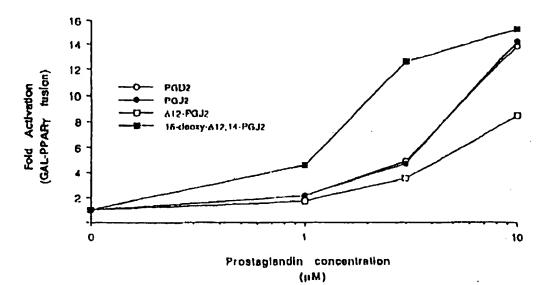
(72) Inventors; and

Filed on

(75) Inventors/Applicants (for US only): EVANS, Ronald, M. [US/US]; 1471 Cottontail Lane, La Jolla, CA 92037 (US). FORMAN, Barry, M. [US/US]; Apartment 299, 8568 Via La Jolla, La Jolla, CA 92037 (US).

(54) Title: SELECTIVE MODULATORS OF PEROXISOME PROLIFERATOR ACTIVATED RECEPTOR-GAMMA, AND METHODS FOR THE USE THEREOF

### **Activation of PPARy by Prostaglandins**



#### (57) Abstract

In accordance with the present invention, there are provided a class of compounds which are capable of selectively modulating processes mediated by peroxisome proliferator activated receptor-gamma (PPAR- $\gamma$ ). The identification of such compounds makes possible the selective intervention in PPAR- $\gamma$  mediated pathways, without exerting inadvertent effects on pathways mediated by other PPAR isoforms.



# TENT COOPERATION TREATS

# **PCT**

REC'D 01 JUL.1997

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION  See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)		16)
69 068 a/fi			
International application No. International filing date (day/month/year) Priority date (day/month/year)			
PCT/US 96/ 05465	18/04/1996	25/04/1995	
International Patent Classification (IPC) or	national classification and IPC		
	A61K31/557		
Applicant			
THE SALK INSTITUTE FOR BIOLOGICAL STUDIES et al.			
1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.			
2. This REPORT consists of a total	of sheets, including	this cover sheet.	
been amended and are the ba (see Rule 70.16 and Section 6	sis for this report and/or sheets 507 of the Administrative Instruc	of the description, claims and/or drawings which have containing rectifications made before this Authority tions under the PCT).	
These annexes consists of a total of			
3. This report contains indications ar	d corresponding pages relating t	o the following items:	
$\begin{bmatrix} X \end{bmatrix}$ Basis of the report			
[[ Priority			
III 🔀 Non-establishment of o	ppinion with regard to novelty, in	ventive step and industrial applicability	
IV Lack of unity of inven	ion .		
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
VI Certain documents cite	d		ł
	nternational application		
	n the international application		
Contain coot randing	·· •· •· • • • • • • • • • • • • • • •		
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Date of submission of the demand	Date	of completion of this report	
25/11/1996		2 7. 86. 97	
Name and mailing address of the IPEA/	Auth	orized officer	
European Patent Office			ł
D-80298 Munich	656 epmu d		1
Fax: (+49-89) 2399-4465	Tel. (+49-89) 2399-0, Tx: 523656 epmu d Fax: (+49-89) 2399-4465  Telephone No. 847		
Form PCT IPF A 409 (cover sheet) (lanuar			

I. Basis of the report	
<ol> <li>This report has been drawn up on the basis of (Replac Office in response to an invitation under Article 14 not annexed to the report since they do not contain a</li> </ol>	are referred to in this report as "originally filed" and are
$[\mathbf{x}]$ the international application as originally fi	ed.
[ ] the description, pages	, as originally filed.
·	, filed with the demand,
	, filed with the letter of,
	, filed with the letter of,
[ ] the claims, Nos.	, as originally filed,
Nos	, as amended under Article 19,
Nos.	, filed with the demand,
Nos	, filed with the letter of,
Nos	, filed with the letter of,
[ ] the drawings, sheets/fig	, as originally filed,
sheets/fig	, filed with the demand,
sheets/fig	, filed with the letter of,
sheets/fig	, filed with the letter of
2. The amendments have resulted in the cancellation of:	
[ ] the description, pages	·
[ ] the claims, Nos.	•
[ ] the drawings, sheets/fig	<u> </u>
<ol> <li>This report has been established as if (some of) considered to go beyond the disclosure as filed</li> <li>Additional observations, if necessary:</li> </ol>	·
and the second s	

III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability		
The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been and will not be examined in respect of:		
[ ] the entire international application,		
[x] claims Nos. 1 - 15		
because:		
[x] the said international application, or the said claims Nos. 1 - 15 relat		
to the following subject matter which does not require an international preliminary examination (specify):		
Methods for the treatment of the human or animal body by surgery or therapy as well as diagnostic methods		
practiced on the human or animal body and scientific theories (discoveries) are subject-matter on which an		
International Preliminary Examining Authority is not re-		
quired to carry out international preliminary examina- tion.		
It appear that the method of claims 1 to 15 relates to a discovery, which discovery consists in that a PPAR-gamma		
selective prostaglandin or prostaglandin-like compound		
or precursor thereof is able to modulate process medi- ated by PPAR-gamma, since the aim of the method is not		
clear or mentioned.		
The method of claims 1 to 15 relates to a method for the		
treatment of the human or animal body by surgery or		
therapy, if the method is carried out in the human body.		
[×] the description, claims or drawings (indicate particular elements below) or said claims		
Nos. 1 - 15 are so unclear that no meaningful opinion could be formed		
(specify):		

Claims 1 to 15 relate to a method for modulating process(es) mediated by PPAR-gamma, said method comprising conducting said process(es) in the presence of at least

one PPAR-gamma selective prostaglandin or prostaglandin-like compound or precursor thereof. It is not clear whether this method is carried out in vivo or in vitro.

The subject-matter of claims 1 to 15 is not susceptible of industrial application, since the aim of present claims 1 to 15 is not apparent from the present wording.

[	] the claims, or said claims Nos.	are so inadequately supported by
	the description that no meaningful opinion could be formed.	
[	no international search report has been established for said claims	
	Nos	

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V. Reasoned statement under Article 35(2) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement			
1. STATEMENT			
Novelty (N)	Claims 16 - 23		
Inventive Step (IS)	Claims 16 - 23	YES	
Industrial Applicability (IA)	Claims 16 - 21		

#### 2. CITATIONS AND EXPLANATIONS

- 1). For the assessment of the present Claims 22 and 23 on the question whether they are industrially applicable, no unified criteria exist in the PCT. The patentability can also be dependent upon the formulation of the claims. The EPO, for example, does not recognize as industrially applicable the subject-matter of claims to methods for treatment of the human or animal body by surgery or therapy or the use of a compound in medical treatment, but will allow, however, claims to a known compound for first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment.
- 2). Document (1) = Proceedings of the national academy of Sciences of USA, vol. 91, July 1994, pages 7355-7359, XP002007699, S.A. Kliewer et Al.: "Differential expression and activation of a family of murine peroxisome proleferator-activated receptors" discloses a physiological role for PPARα in the regulation of lipid

3

metabolism (in particular the metabolism of fatty acids). Significant activation of PPAR-gamma was obtained upon treatment with LY-171883. The differential expression of PPAR-gamma in the adrenal suggests that this isoform may respond to an adrenal-enriched ligand. See the whole document.

This document fails to teach or suggest that administering an amount of a peroxisome proliferator activated receptor gamma (PPAR-gamma) antagonist effective to block cell differentiation to produce lipid-accumulating cells administered to a subject would be active for preventing obesity.

The subject-matter of claims 22 and 23 drafted in order to obviate the above comments under item 1)., would be novel over the teaching of document (1) and would involve an inventive step.

3). The method of testing a compound for its ability to regulate transcription-activating effects of a PPAR-gamma of claims 16 to 21 is new in respect of prior art as defined in the regulations (Rule 64(1)-(3) PCT) and involves an inventive step (Rule 65(1)(2) PCT).

Form PCT/IPEA/409 (sheet 5) (January 1994)

Intern. application No. PCT/US96/05465

### VI. Certain documents cited

1. Certain published documents (Rule 70.10)

Application No.

Patent No.

Publication date (day/month/year)

Filing date
(day/month/year)

Priority date (valid claim)
(day/month/year)

The current assessment is based on the assumption that all claims enjoy priority rights from the filing date of the priority document. If it later turns out that this is not correct, the documents:

Journal of biological chemistry, vol. 270, no. 22, 2 june 1995, pages 12953-6 XP002007698,

Journal of biological chemistry, vol. 270, no. 41, 13 october 1995, pages 23975-83 XP002008288,

Cell, vol. 83, 1 Dezember 1995, pages 813-19, XP000575884 Cell, vol. 83, 1 Dezember 1995, pages 803-812,

XP000575803,

cited in the international search report could become relevant to assess whether claims 1 to 23 satisfy the criteria set forth in Article 33(1) PCT.

Non-written disclosures (Rule 70.9)

Kind of non-written disclosure

Date of non-written disclosure (day/month/year)

Date of written disclosure referring to non-written disclosure (day/month/year)

### ENT COOPERATION TREAT

# **PCT**



### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference FP41 90211	file reference  FOR FURTHER  See Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.					
International application No.	International filing date(day month year) (Earliest) Priority Date (day month year)					
PCT/US 96/05465	18/04/1996 25/04/1995					
Applicant	Applicant					
THE SALK INSTITUTE FOR BI	OLOGICAL STUDIES et al.					
This International Search Report has bee according to Article 18. A copy is being	n prepared by this International Searching Aut transmitted to the International Bureau.	hority and is transmitted to the applicant				
This International Search Report consists  X It is also accompanied by a cop	s of a total of sheets.  y of each prior art document cited in this repo	rt.				
1. X Certain claims were found unsea	archable (see Box I).					
2. Unity of invention is lacking (see	e Box II).					
The international application of international search was carried.	ontains disclosure of a mucleotide and/or amino lout on the basis of the sequence listing	acid sequence listing and the				
file	d with the international application.					
X fur	nished by the applicant separately from the inte					
but not accompanied by a statement to the effect that it did not include matter going beyond the disclosure in the international application as filed.						
Transcribed by this Authority						
4. With regard to the title, X the	text is approved as submitted by the applicant					
	text has been established by this Authority to					
5. With regard to the abstract,						
	text is approved as submitted by the applicant text has been established, according to Rule 38					
□ Bo	x III. The applicant may, within one month fro	m the date of mailing of this International				
6. The figure of the drawings to be published with the abstract is:						
Figure No. 1.2 as:	suggested by the applicant.	None of the figures.				
1 122	ause the applicant failed to suggest a figure.					
bec	ause this figure better characterizes the inventi	ou.				



Box I Observati ns where certain claims were f und unsearchable (Continuati n f item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  Although claims 1-15, 22 and 23 are directed to a method of treatment of (diagnostic method practised on) the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
B x II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
As all searchable claims could be searches without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

International	Application No
US/US	96/05465

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A. CLASS	FICATION OF SUBJECT MATTER A61K31/557		
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	o International Patent Classification (IPC) or to both national class SEARCHED	ification and IPC	
	ocumentation searched (classification system followed by classifica-	tion symbols)	
IPC 6	A61K		•
Documentat	ion searched other than minimum documentation to the extent that	such documents are included in the fields s	earched
:			•
Electronic d	ata base consulted during the international search (name of data ba	se and, where practical, search terms used)	
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C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the r	elevant passages	Relevant to claim No.
.,			
Х	PROCEEDINGS OF THE NATIONAL ACAD SCIENCES OF USA.	EMY OF	22,23
	vol. 91, July 1994, WASHINGTON	us.	
-	pages 7355-7359, XP002007699	,	
:	S.A. KLIEWER ET AL.: "Different		
	expression and activation of a fa		·
	murine peroxisome proliferator-a	ctivated	
	receptors" see the whole document		,
Α	GENE EXPRESSION,	İ	1-23
	vol. 4, 1995,		
	pages 281-299, XP000057446 M.E. GREENE ET AL.: "Isolation (	of the	
	human peroxisome proliferator ac		
	receptor gamma cDNA"		·
	•	-/	
X Furti	er documents are listed in the continuation of box C.	Patent family members are listed i	n annex.
* Special car	egories of cited documents:	"T" later document published after the inte	mational filing date
	ent defining the general state of the art which is not	or priority date and not in conflict will cited to understand the principle or th	th the application but
"E" earlier	red to be of particular relevance locument but published on or after the international	invention "X" document of particular relevance; the	claimed invention
filing of the filter of the fi	ate nt which may throw doubts on priority claim(s) or	cannot be considered novel or cannot involve an inventive step when the do	be considered to
which	is cited to establish the publication date of another or other special reason (as specified)	"Y" document of particular relevance; the	claimed invention
	ent referring to an oral disclosure, use, exhibition or	cannot be considered to involve an in document is combined with one or me ments, such combination being obvious	ore other such docu-
"P" docume	nt published prior to the international filing date but	in the art.	•
	an the priority date claimed	"&" document member of the same patent	
Date of tile	actual completion of the international search	Date of mailing of the international sea	асп героп
12	. December 1996	118 -12-1196	
Name and n	nailing address of the ISA	Authorized officer	
	European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk		
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	De Jong, B	

1

Relevant to claim No.
22,23
1-23 of
1-23 12 1d
1-23

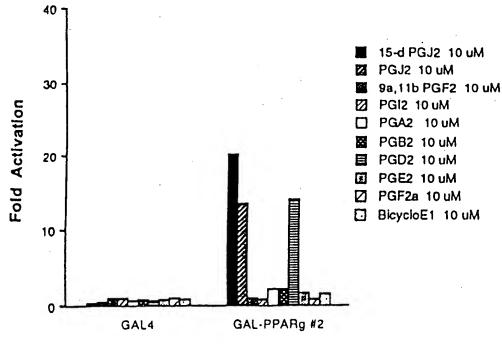
### **PCT**

### WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



### INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>6</sup> :		(11) International Publication Number: WO 96/33724
A61K 31/557	A3	(43) International Publication Date: 31 October 1996 (31.10.96)
(21) International Application Number: PCT/US (22) International Filing Date: 18 April 1996 (		& Clark, Suite 2000, 444 South Flower Street, Los Angeles,
(30) Priority Data: 08/428,559 08/465,375 25 April 1995 (25.04.95) 5 June 1995 (05.06.95)	_	(81) Designated States: AU, CA, JP, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).
(60) Parent Applications or Grants (63) Related by Continuation US 08/428,559 (CIP) Filed on 25 April 1995 (25.04.95) US 08/465,375 (CIP) Filed on 5 June 1995 (05.06.95)  (71) Applicant (for all designated States except US): THE SALK INSTITUTE FOR BIOLOGICAL STUDIES [US/US]; 10010 North Torrey Pines Road, La Jolla, CA 92037 (US).  (72) Inventors; and (75) Inventors/Applicants (for US only): EVANS, Ronald, M. [US/US]; 1471 Cottontail Lane, La Jolla, CA 92037 (US). FORMAN, Barry, M. [US/US]; Apartment 299, 8568 Via		claims and to be republished in the event of the receipt of amendments.  (88) Date of publication of the international search report: 30 January 1997 (30.01.97)
La Jolla, La Jolla, CA 92037 (US).  (54) Title: SELECTIVE MODULATORS OF PEROXISO FOR THE USE THEREOF	ME PR	OLIFERATOR ACTIVATED RECEPTOR-GAMMA, AND METHODS



### (57) Abstract

In accordance with the present invention, there are provided a class of compounds which are capable of selectively modulating processes mediated by peroxisome proliferator activated receptor-gamma (PPAR- $\gamma$ ). The identification of such compounds makes possible the selective intervention in PPAR- $\gamma$  mediated pathways, without exerting inadvertent effects on pathways mediated by other PPAR isoforms.

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FI	Finland	ML	Mali .	US	United States of America
FR	France	MN	Mongolia	UZ	Uzbekistan
GA	Gabon	MR	Mauritania	VN	Viet Nam

Int ional Application No PCI/US 96/05465

		PC1/05 96/05465
C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 270, no. 22, 2 June 1995, MD US, pages 12953-12956, XP002007698 J.M.LEHMANN ET AL.: "An antidiabetic thiazolidinone is a high affinity ligand for peroxisome prolifirator-activated receptor" see the whole document	22,23
Ρ,Χ	J. BIOL. CHEM., vol. 270, no. 41, 13 October 1995, pages 23975-23983, XP002008288 K. YU ET AL.: "Differential activation of peroxisome proliferator-activated receptors by eicosanoids" see the whole document	1-23
P,X	CELL, vol. 83, 1 December 1995, pages 813-819, XP000575884 S.A. KLIEWER ET AL.: "A prostaglandin J2 metabolite binds peroxisome proliferator-activated receptor gamma and promotes adipocyte differentation" see the whole document	1-23
P,X	CELL, vol. 83, 1 December 1995, pages 803-812, XP000575803 B.M. FORMAN ET AL.: "15-DEOXY-DELTA12,14-PROSTAGLANDING J2 IS A LIGAND FOR THE ADIPOCYTE DETERMINATION FACTOR PPAR GAMMA" see the whole document	1-23

- CI AC	CIFICATION OF CUDIFOR MATTER			
I PC 6	SIFICATION OF SUBJECT MATTER A61K31/557			
According	to International Patent Classification (IPC) or to both national cla	assification and IPC		
B. FIELD	S SEARCHED			
Minimum IPC 6	documentation searched (classification system followed by classifi $A61K$	cation symbols)		
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	ingli sentence color man intimitani soculienedali et die evenie en	st fuch documents are included in the fields	tearched .	
Electronic	data base consulted during the international search (name of data )	base and, where practical, search terms used)		
C. DOCUM	MENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No.	
X	PROCEEDINGS OF THE NATIONAL ACAI SCIENCES OF USA, vol. 91, July 1994, WASHINGTON	DEMY OF US,	22,23	
	pages 7355-7359, XP002007699 S.A. KLIEWER ET AL.: "Different expression and activation of a famourine peroxisome proliferator-a receptors" see the whole document	family of		
A	GENE EXPRESSION, vol. 4, 1995, pages 281-299, XP000057446 M.E. GREENE ET AL.: "Isolation human peroxisome proliferator ac receptor gamma cDNA"		1-23	
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X Furt	ner documents are listed in the continuation of box C.	Patent family members are listed	in annex.	
* Special cat	legories of cited documents:	"T" later document nublished after the inte	emational filing data	
"A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier document but published on or after the international filing date  "X" document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention				
MUTCU I	nt which may throw doubts on priority claim(s) or is cited to establish the publication date of another	cannot be considered novel or cannot involve an inventive step when the do "Y" document of particular relevance; the	be considered to current is taken alone	
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other means  P' document published prior to the international filing date but later than the priority date claimed  ments, such combination being obvious to a person skilled in the art.  document member of the same patent family				
Date of the a	actual completion of the international search	Date of mailing of the international sec	arch report	
	. December 1996	18.12.96		
Name and m	nailing address of the ISA  European Patent Office, P.B. 5818 Patentiaan 2  NL - 2280 HV Rijswijk  Tel. (+31.70) 340-2040, Tx. 31 651 epo nl,	Authorized officer		
	Far (+31-70) 340-3016	De Jong, B		

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rnational application No.

PCT/US 96/05465

Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This In	ternational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: Although claims 1-15, 22 and 23 are directed to a method of treatment of (diagnostic method practised on) the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This Int	ernational Searching Authority found multiple inventions in this international application, as follows:
ı. 🔲	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searches without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
з. 🔲	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark	on Protest  The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.